

Career and Technical Education Highlights for November 2017

Career Experiences:

Edison Academy:

Apprenticeship and Skilled Workforce Career Fair

On Thursday Nov 16, 2017, over 30 employers and trade schools in our region exhibited at the Apprenticeships and Skilled Workforce Career Fair hosted by Edison Academy and sponsored by Wegmans Food Markets. This event was open to students, parents, counselors, and teachers from Fairfax County Public Schools. Over 500 attendees came to learn about options for post-secondary education through apprenticeships and on-the-job training to get a head start on careers in the skilled workforce. Exhibitors represented eight career fields including business and marketing, information technology, the skilled trades and construction (HVAC-R, electrical, and plumbing), Automotive/Transportation, Cosmetology, Law Enforcement, Hospitality and Culinary, Education, and Environment. For pictures of the event, go to [Apprenticeships and Skilled Workforce Career Fair](#).

Understanding Our National Security

On October 23, 2017, 53 Criminal Justice students took a field trip to the site of the crash of Flight 93 in Pennsylvania to learn about the impact September 11 had on our national security which resulted in the formation of the Department of Homeland Security and forever changed the roles of first responders in our country. Students also met with National Parks staff to learn about the Parks Police function at historical sites around the nation.

Falls Church Academy:

Navy Dental Corp speaks to Dental Students about Career Options

Lt Justin Orr and Lt Johannes Seywerd of the BUMED Navy Dental Corp spoke to students in the Dental Careers 1 and 2 classes about their dental career path in the Navy. Each spoke of their college experiences at civilian colleges, their personal career decision path and their ultimate choice to enter the Navy as dentists. Neither of these men were set on working with the Navy at an earlier age or on dentistry as a career, however, through their personal exploration discovered that both the Navy and dentistry met all their career and financial needs. Each shared with the students the expense of college, the hard work that is involved when studying dentistry and the diverse and exciting life experiences they have had in the Navy.

Pharmacy students learn about drug investigations at the DEA Museum

Pharmacy Technician students attended a field trip to the DEA Museum with a special opportunity to hear the career path and experiences of a Diversion Investigator. Diversion investigators perform many security, regulatory and investigative duties in their work. They conduct inspections of pharmaceutical manufacturers to ensure the necessary security protocols are in place to deter thefts, security breaches, or misused drug making materials. In addition to the presentation by the Investigator, students enjoyed learning about the history of drug use and abuse, as well as the DEA as an agency. Many of the pharmacy students understand the community and hospital pharmacy work but were pleased to learn there are more diverse opportunities in the pharmacy career field.

Inova Trauma Survivors

Inova Trauma Survivors spoke to both the Practical Nursing students at the Plum Center as well as the EMS, Medical Assistant, and Exploring Health Science students at the Falls Church Academy. Each representative spoke to students of their near death experiences and the skilled and caring health care providers who gave lifesaving care to bring them health and life. Through their presentations, students in the various health and medical classes learned to treat all who need care with the utmost respect, including their caregivers. Students came away with a different compassion for those they will serve in their careers.

Marshall Academy:

Entrepreneurship Students Intern at the Business Women's Giving Circle

On November 14, 2017,, Entrepreneurship 2 students served as interns for the day at the Business Women's Giving Circle (BWGC) at Dovel Technologies. They assisted the BWGC leadership team with logistics and administrative tasks as local budding entrepreneurship pitched their business plans.

Cyber Club Attends NVTC's Capital Cyber Summit

On Wednesday, November 15, 2017, Marshall Academy's Cyber Club Officers attended the Northern Virginia Technology Council's (NVTC) Capital Cyber Summit at the Ritz Carlton. Students networked with Cyber professionals and participated in panel sessions including: Successful Cybersecurity Growth Companies in the Region, The State of Cloud Security and Compliance: Dispelling the Myth of Cloud Insecurity, The Life of a Hack: A Business Survival Guide and more. They also heard updates regarding cyber legislator and programs from Grant Schneider, Acting Federal Chief Information Security Officer; Senior Director for Cybersecurity Policy, National Security Council.

Lastly, students met a Marshall Academy IT Alum ('12) at the summit who is a GMU graduate and pursuing his masters in Cybersecurity. It was an amazing professional experience!

Cyber IT Students Participate in Microsoft Field Trip

On Friday, November 10, 2017, Cyber Computers Systems A+ and Cybersecurity Capstone students participated in a field trip to the Microsoft Retail Store in Tysons Corner Mall. The Microsoft Gaming Specialist spoke on the opportunities within the gaming field including gaming scholarships. Microsoft's Manager gave an overview of Microsoft hiring process and the growth opportunities for employees. Students also toured the store and learned of the latest technology tools and gadgets.

Announcements:

Academy Experiences for Student Services – Tuesday, November 28, 2017, and Thursday, November 30, 2017.

Marshall HS Senior Ethics Day at Tysons Westin – Table Leader Volunteers Needed Friday, Dec. 1, 2017, 8 a.m.-2 p.m.

Entrepreneurship Holiday Market Day *Shop 'til You Drop* – Wednesday, December 6, 2017, 11:00 a.m.-1:30 p.m.

Family and Consumer Sciences (FACS):

Student Recipe was Released at Lake Braddock Secondary School on November 1

The recipe, Chicken Shawarma, created by Lake Braddock Secondary Family & Consumer Science students and winners of the 2017 Real Food for Kids Culinary Challenge and Wellness Expo, was released on the cafeteria lunch lines on November 1, 2017.

Professional Development Hosted by Local Restaurant

The partnership with the Real Food for Kids organization allowed the Fairfax County Family and Consumer Science teachers the opportunity for a professional development session at a local restaurant, Choolaah, in the Mosaic District. Teachers first received instruction on the nutritional and medicinal purposes of spices, grinding, use and roasting, as well as info on the Global Food Safety Initiative that rates the quality of spices. The teachers tried to identify over 30 spices then created their own blend of spices. Spice blending was followed by placing the Naan bread in the tandoori oven. The teachers were thrilled at the information that they received as well as the experience and the collaborative atmosphere. The purpose of this

professional development was to educate the teachers on spice blending for the students use in creating their recipes for the wellness expo.

Annandale HS Gourmet Foods Classes prepare Thanksgiving Feast for the 25th Project

This project feeds the local tent community and shelters in the area and many of the students are participating on Thanksgiving for service to this community.

The menu includes:

- Cider Brined Roasted Turkey
- Cider Gravy
- Orange ginger glazed carrots
- Basil Garlic Red skinned mashed potatoes
- Cheddar Biscuits and Buttermilk Biscuits
- Homemade Cranberry sauce
- Caramelized onion and shiitake mushroom Quinoa Stuffing
- Pumpkin Pie with Gingered Whipped Cream

Marketing:

On November 6, 2017 approximately 850 marketing students competed in the Region 2 DECA District Leadership Competition that was held at Dulles Expo Center in Chantilly, Virginia. Student winners from the 4 districts that represent Fairfax County Public Schools will have the opportunity to compete at the Virginia DECA State Leadership Conference March 2 – 4, 2018, in Virginia Beach.

Advanced Marketing students at South County High made national news in [DECA Direct](#), the high school marketing association's national newsletter, for their winning study of Occoquan. [South County HS Marketing Students Develop Winning "Shop Small" Campaign](#)

Fairfax HS DECA was featured in DECA Direct on October 24, 2017. The article discussed the field trips that the marketing students from Fairfax DECA take each year. [DECA Field Trips at Fairfax High School](#)

The entrepreneurship classes from Chantilly and Marshall Academies went on their annual buying trips to New York City. Chantilly went to the Big Apple on Friday, November 17, 2017, and Marshall went on Monday, November 20, 2017. Student teams were given seed money to purchase products in the wholesale district that they will market and sell at their Market Days.

Market Day Events are as follows, and occur during the lunch periods at each school:

Herndon HS – December 5 – 6, 2017

Chantilly Academy – December 8 – 9, 2017

Marshall Academy – December 8, 2017

Oakton HS – December 12 – 13, 2017

The Langley fashion marketing students are creating a social media marketing campaign for Scout & Molly Boutique. The students have also been busy serving as dressers for fashion shows at Nordstrom and Bloomingdales.

Oakton and Chantilly High Schools were each ranked in the top 10 Spirit Box Enterprises for the month of October. Oakton ranked third with \$1473.00 and Chantilly ranked tenth with \$680.00. The Spirit Box is a vending machine that serves as a school store. The Spirit Box is run by the entrepreneurship students at each school.

The Fair Oaks Mall Holiday Gift Wrap center will be open from Friday, November 24 – Sunday, December 24, 2017. The gift wrap center is run and operated by the mall marketing students with the assistance of marketing students from around the county. The gift wrap center is located on the upper level outside of the Macy's store closest to Texas de Brazil.

Technology Education and Engineering:

Frost Middle School

Through their SRO, Ms. Healy asked the Fairfax County Police Explosive Ordnance Division (EOD) if they would come out and show her engineering students the bomb disposal robot. Her goal was to kick off the robotics unit with a real robot. It is important for Ms. Healy's student to be able to bridge the virtual world and model robots with the workplace. She had all five of her classes (approx. 140 kids) in attendance in the assembly hall for the 30 minute presentation. The kids loved it and are eager to dive into robotics.

Keep a lookout on Apple 21, as they filmed the presentation as a way of highlighting Frost's engineering program and the partnership between the school and police.

KidWind Challenge, Lanier Middle School

Robert D'Souza, Lanier Middle School, was recently interviewed by the Washington Post regarding his work and efforts with the KidWind Challenge. Check out the article: [They've got the power: Students run a turbine and light up their future!"](#)



Mount Vernon High School

Mount Vernon High School Tech & Engineering students visited Northern Virginia Community College Alexandria Campus last week. Charles Britt of NOVA SySTEMic spearheads the STEM collaborative program with MVHS. The students participated in a cybersecurity activity and were provided an overview of the Cybersecurity Program by Dr. Margaret Leary. They later enjoyed a campus tour and were greeted by Teba Aljumaili, Assistant Dean of IT, who shared highlights of the STEM programs offered at NOVA.

Family STEM Night

Students for Marshall Academy volunteered to help with a Family STEM Night hosted at Freedom Hill Elementary School on October 10, 2017. The event was put on by the Children's Science Center. High school students worked at different stations to promote scientific inquiry and investigation.

More Technology Education and Engineering program information can be found at the following link: [TEE Site](#)